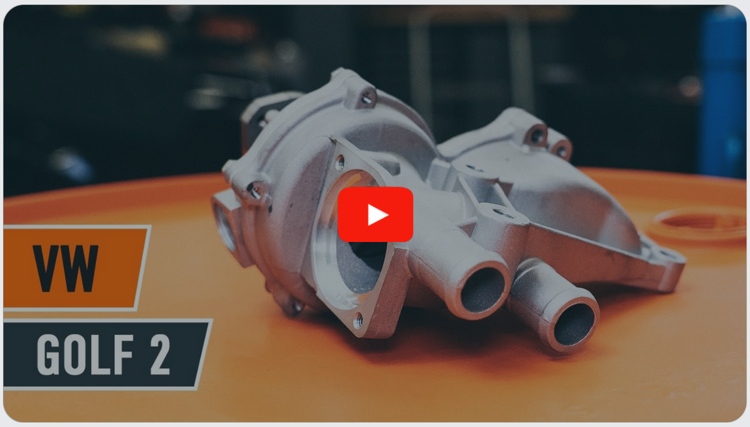
AUTODOC CLUB

How to change water pump on **AUDI COUPE (81, 85)** – replacement guide

SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

Important!

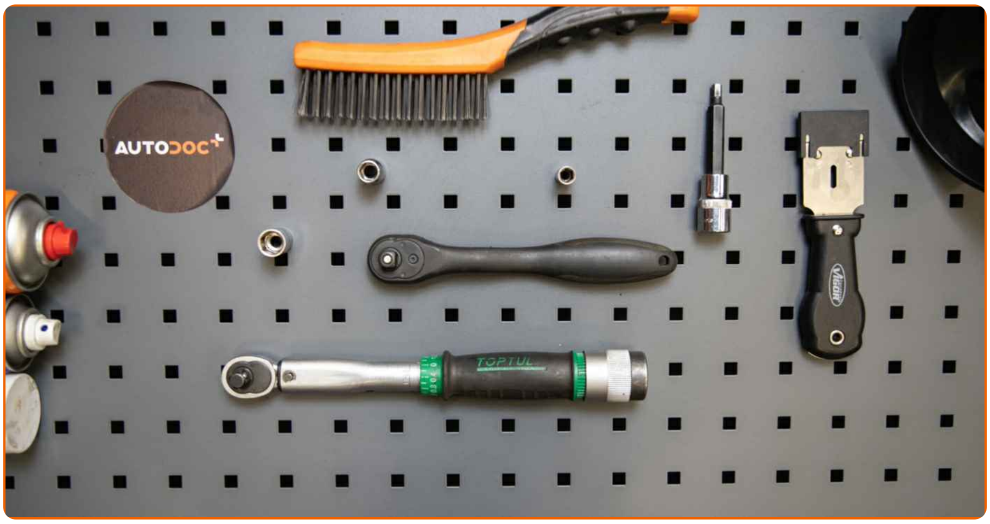
This replacement procedure can be used for:
AUDI COUPE (81, 85) 1.8, AUDI COUPE (81, 85) 1.8 GT, AUDI COUPE (81, 85) 1.8 GT quattro

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The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: VW GOLF II (19E, 1G1) 1.6

REPLACEMENT: WATER PUMP – AUDI COUPE (81, 85). TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- All-purpose cleaning spray
- Sealant
- Torque wrench
- Combination spanner #13
- Drive socket # 7
- Drive socket # 10
- Drive socket # 13
- HEX bit No.H6
- Ratchet wrench
- Seal scraper
- Funnel
- Fluid container
- Fender cover

Buy tools

Replacement: water pump – AUDI COUPE (81, 85). Tip from AUTODOC:

- Follow the terms, recommendations and requirements of the part operation provided by the manufacturer.
- Check the coolant condition and replace it if necessary.
- Inspect the thermostat and the thermostat housing. Replace if necessary.
- Please note: all work on the car – AUDI COUPE (81, 85) – should be done with the engine switched off.

CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1 Open the hood.

2 Use a fender protection cover to prevent damaging paintwork and plastic parts of the car.

3 Unscrew the coolant reservoir cap.

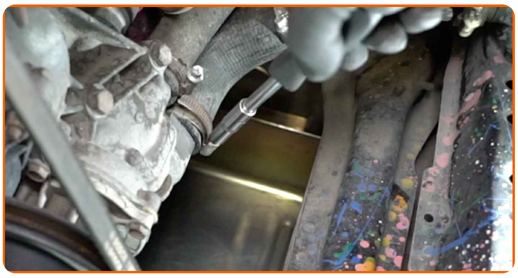


4 Prepare a container for fluids.



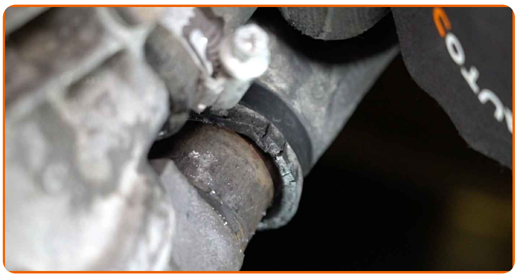
5

Loosen the coolant hose clamp. Use a drive socket #7. Use a ratchet wrench.



6

Detach the coolant hose.



Replacement: water pump – AUDI COUPE (81, 85). Tip:

- Caution! Coolant may come out from the water pump channels and body.

7

Drain the coolant from the engine.



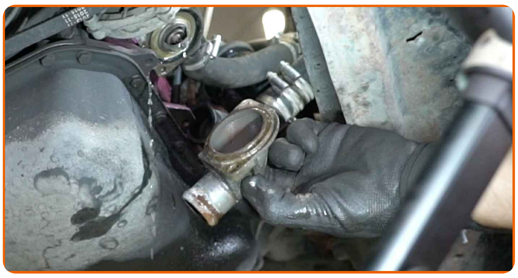
Replacement: water pump – AUDI COUPE (81, 85). AUTODOC experts recommend:

- Caution! The coolant can be very hot.
- Wear gloves to prevent contact with hot liquid.
- All work should be done with the engine stopped.
- Wait until the coolant has completely flowed out of the drain hole.

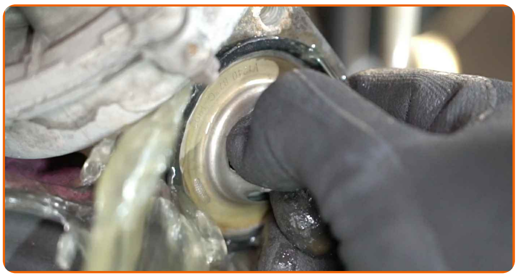
8 Unscrew the thermostat housing fasteners. Use a drive socket #13. Use a ratchet wrench.



9 Remove the thermostat housing.



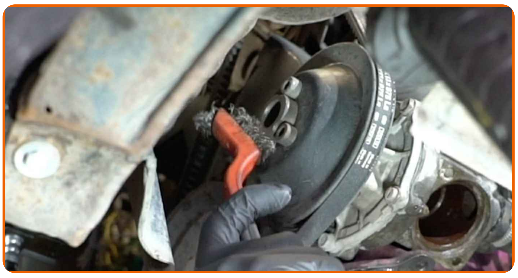
10 Remove the thermostat.



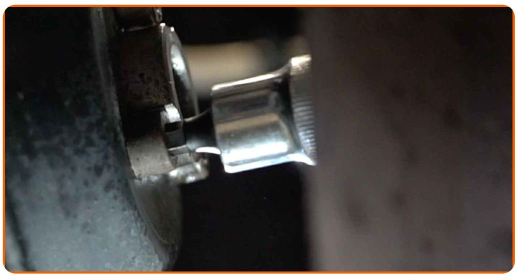
AUTODOC recommends:

- Replacement: water pump – AUDI COUPE (81, 85). Do not use excessive force when removing the part as this may damage it.
- Caution! Coolant may leak out of the coolant lines and thermostat housing.

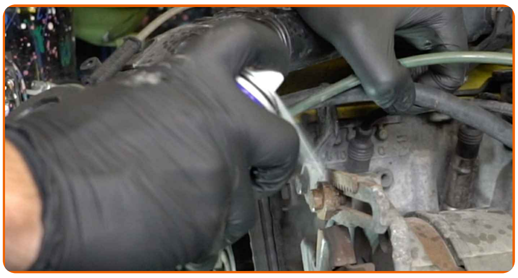
11 Clean the water pump pulley fastener. Use a wire brush. Use WD-40 spray.



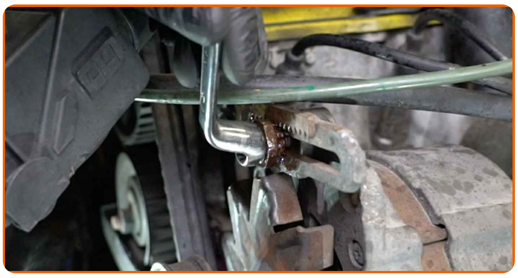
12 Unscrew the water pump pulley fastener. Use HEX No.H6. Use a ratchet wrench.



13 Clean the alternator fasteners. Use a wire brush. Use WD-40 spray.



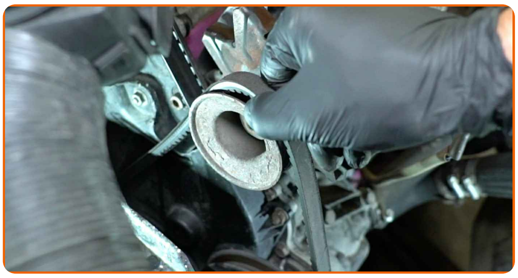
14 Loosen the alternator fasteners. Use a combination spanner #13.



15 Move the alternator aside.



16 Remove the V belt.



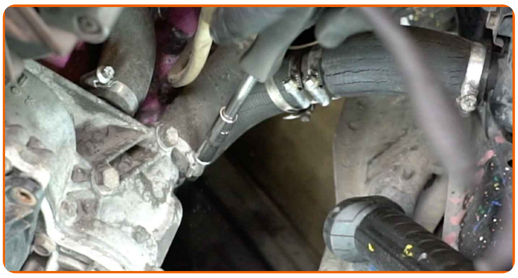
17 Remove the water pump pulley.



18 Unscrew the fasteners of the water pump housing. Use a drive socket #10. Use a ratchet wrench.



19 Loosen the coolant hose clamp. Use a drive socket #7. Use a ratchet wrench.



20 Detach the coolant hose.



Replacement: water pump – AUDI COUPE (81, 85). Tip from AUTODOC:

- Caution! Coolant may come out from the water pump channels and body.

21 Unscrew the water pump fasteners. Use a combination spanner #13. Use a drive socket #13. Use a ratchet wrench.



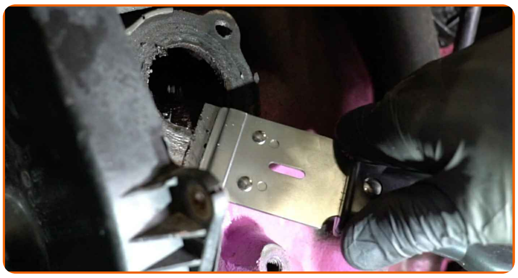
22 Remove the water pump.



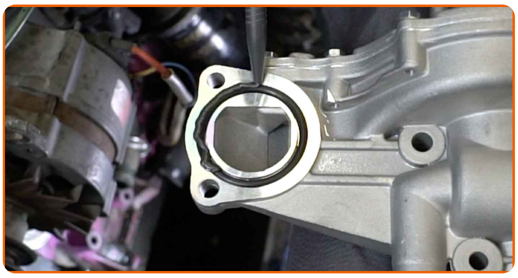
Replacement: water pump – AUDI COUPE (81, 85). AUTODOC recommends:

- Caution! Coolant may come out from the water pump channels and body.

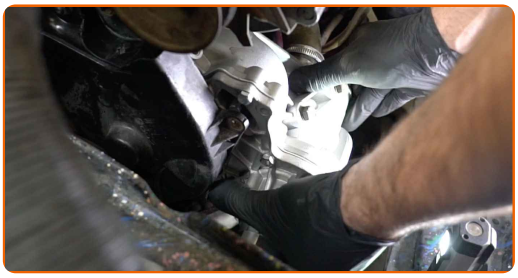
23 Clean the water pump mounting seat. Use a seal scraper. Use all-purpose cleaning spray.



24 Treat the water pump mounting seat. Use a sealant.



25 Install the new water pump.



26 Tighten the water pump fasteners. Use a combination spanner #13. Use a drive socket #13. Use a torque wrench. Tighten it to 14 nm torque.



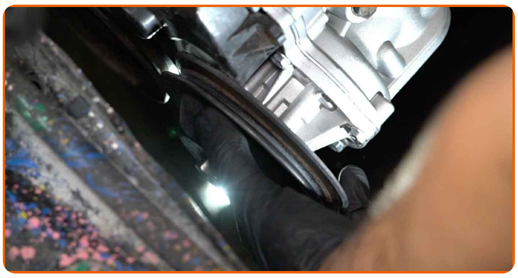
27 Attach the coolant hose.



28 Secure the coolant hose clamp. Use a drive socket #7. Use a ratchet wrench.



29 Install the water pump pulley.



30 Install the V belt.



31 Put the alternator back in place.



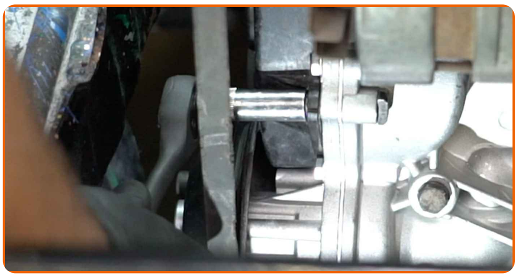
32 Tighten the alternator fasteners. Use a drive socket #13. Use a torque wrench. Tighten it to 10 nm torque.



33 Tighten the water pump pulley fastener. Use HEX No.H6. Use a torque wrench. Tighten it to 9 nm torque.



34 Screw in the fasteners of the water pump housing. Use a drive socket #10. Use a ratchet wrench.



35 Install the thermostat.



AUTODOC recommends:

- Replacement: water pump – AUDI COUPE (81, 85). Do not use excessive force during installation. This may damage the part.

36 Install the thermostat housing.



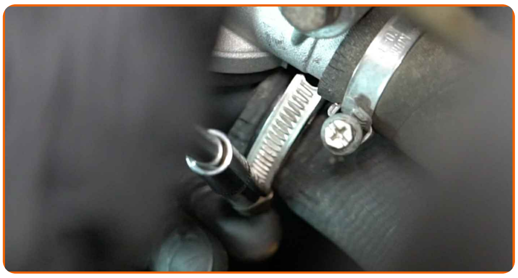
37 Tighten the thermostat housing fasteners. Use a drive socket #10. Use a torque wrench. Tighten it to 13 nm torque.



38 Attach the coolant hose.

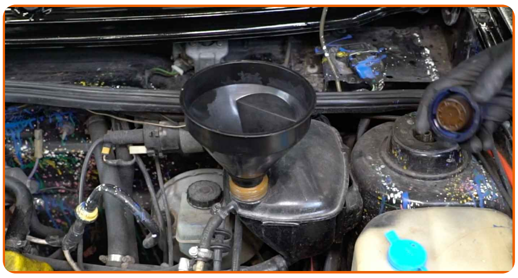


39 Secure the coolant hose clamp. Use a drive socket #7. Use a ratchet wrench.

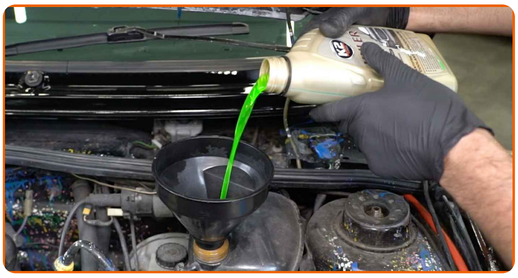


40 Remove the coolant reservoir cap.

41 Insert the funnel.



42 Pour coolant in the coolant reservoir.



Replacement: water pump – AUDI COUPE (81, 85). Professionals recommend:

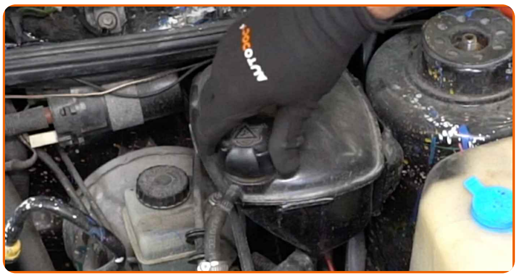
- Only use the coolant recommended by the manufacturer.
- The coolant level should be at the MAX mark.
- Wait until the air goes out of the system.

43 Run the engine for a few minutes. This should be done in order to remove residual air from the cooling system and to check if the components are operating correctly.

44 Shut off the engine.

45 Install the coolant reservoir cap.

46 Screw on the coolant reservoir cap.



47 Remove the fender protection cover.

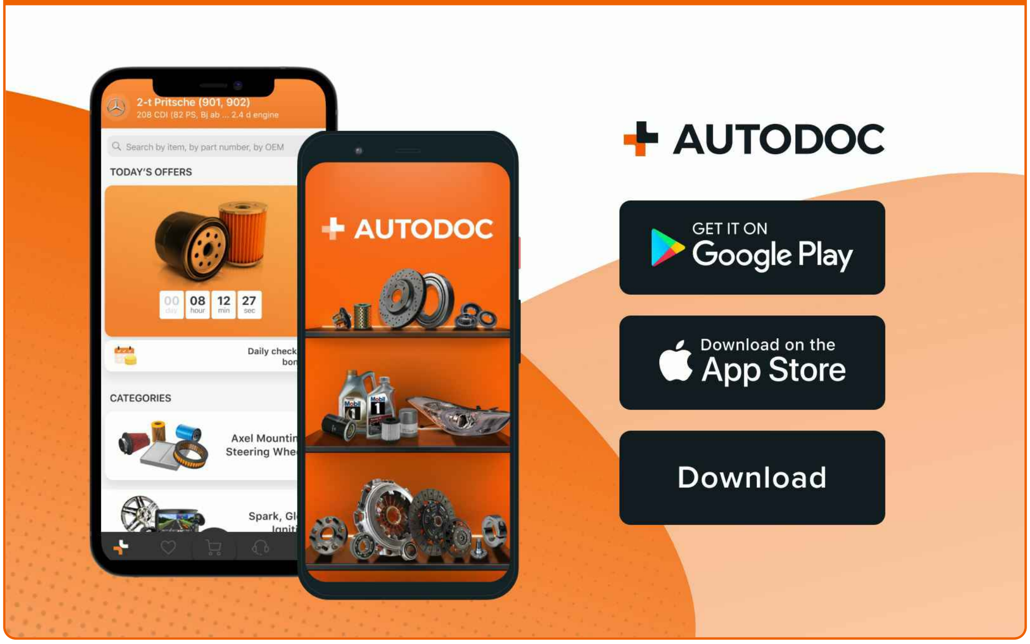
48 Close the hood.

WELL DONE!

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